

## Curriculum Vitae

**Dr. Maria A. Tsiafouli**

2024

### Current position

Research and lab-teaching personnel (EDIP) at the School of Biology, Aristotle University of Thessaloniki.

### Contact information

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### Education

- 2007: PhD in Biological Sciences (Dissertation title: Soil biodiversity in organic and conventional agro-ecosystems), Aristotle University, Thessaloniki, Greece
- 1999: MSc in Environmental Biology, Aristotle University, Thessaloniki, Greece
- 1996: Degree in Biology, Aristotle University, Thessaloniki, Greece

### Languages

- Greek (mother language)
- English (fluently)
- German (fluently)

### Research interest

My research focuses in investigating the effects of human activities (e.g. agriculture) and climate change on several aspects of biodiversity including soil biodiversity. I'm further interested in revealing links among biodiversity, functions, environmental characteristics and ecosystem services, promote agro-ecological methods and biodiversity conservation and enhance bio-monitoring methods and large scale data collections.

### Editorial

- Editorial Board of the European Journal of Soil Biology
- Editorial Board of the Journal of Agriculture and Environment
- Editorial Board of the Journal Agriculture, MDPI.
- Guest Associated editor of the FRONTIERS journals in Ecology and Evolution and Environmental Science for the section «Agroecology and land use systems» of for the topic «Optimizing the delivery of multiple ecosystem goods and services in agricultural systems»

## Member of Scientific committees

- International Network of Soil Biodiversity NETSOB- Scientific committee of WG1 - Measurement, assessment and monitoring of soil biodiversity
- Member of the Scientific Committee of the Hellenic Ecosystem Service Partnership
- Healthy Land Advisory Group Member of Applied Microbiology International
- Member of the board of directors of the Panhellenic Association of Bioscientists and Coordinator of the committee for Environment and Food

## Member of International and National networks

- Member of the Global Soil Biodiversity Initiative
- Member of SoilBON and SoilBON foodweb
- Member of GeoBON
- Member of the Hellenic Ecological Society
- Member of the Ecosystem Service Partnership

## Cost Actions:

**Harmonious CA16219** [UAS for Environmental Monitoring],  
Management committee Member (from 2017- 2022)

**EUdaphobase CA18237** [European Soil-Biology Data Warehouse for Soil Protection]  
Management Committee Member (from 2020)  
Chair of WG2 – Data Collation (from 2021)

**TOP-AGRI-Network CA21134** [Towards zero Pesticide AGRiculture : European Network for sustainability]  
Management Committee Member (from 2022)

**PANGEOS COST CA22136** [Pan-European Network of Green Deal Agriculture and Forestry Earth Observation Science]  
Member of WG2 and WG3

## Academic Teaching

- **EPICUR network**
  - ✓ Greek Nature: Biodiversity, Conservation and Ecosystem Services
- **Graduate level (School of Biology):**
  - ✓ General Ecology
  - ✓ Conservation Biology
  - ✓ Mapping and Landscape Ecology
  - ✓ Protection, Monitoring and restoration of ecosystems
  - ✓ Data Bases
- **Postgraduate level (School of Biology):**
  - ✓ Land uses and analysis of anthropogenic activities

- ✓ Patterns in Space and Time and management of Biodiversity
- ✓ Ecological applications

- **Other educational activities at Aristotle University of Thessaloniki**

- ✓ Academic collaboration (Aristotle University of Thessaloniki - Center for Greek Studies). Topic: "The Greek natural environment" (from 2019)
- ✓ Support in the theme of sustainability and protection of natural resources (ELKE-Aristotle University of Thessaloniki. Topic: "Facing the Economic Crisis - Green Ideas for Sustainable Development" (2014/2015)
- ✓ Collaboration with the Master Course "Environmental Management" of University Paul Valery Montpellier 3 (2023).

- **Coil Network (Utrecht Network).**

- ✓ Certificate for Collaborative Online International Learning: 'Integrating Virtual Exchange into the University Classroom'

## Research experience and employment

- ✓ **From 2006:** Department of Ecology, School of Biology, Aristotle University of Thessaloniki, Greece. (2006-2014: University Personnel, from 2014: Research and Teaching personnel)  
*Main responsibilities:* Teaching, guidance of graduate and postgraduate students during their dissertations, planning and implementing research activities, writing of articles, organizing and participating at dissemination activities, writing of proposals, networking activities.  
[see also list of Research Projects]
- ✓ **2003-2006:** PHd student with internship (PENED) from the General Secretary of Research & Technology, Greece (Department of Ecology, Aristotle University of Thessaloniki, Greece)
- ✓ **1999-2003:** Full time scientific collaborator at the Greek Biotope Wetland Centre, Goulandris Museum of Natural History, Thessaloniki, Greece  
*Main responsibilities:* Development of plans and programs for the conservation of species and habitats, monitoring, mapping and assessment, structuring databases, data management & GIS, reporting, communication and dissemination. National representative for the Natura 2000 network in the 3rd seminar of the Mediterranean zone (Brussels, 2003)  
[see also list of Environmental Projects]
- ✓ **1996-1999:** Graduate research assistant, Department of Ecology, School of Biology, Aristotle University of Thessaloniki, Greece  
*Main responsibilities:* implementing research activities, dissemination activities  
[see also list of Research Projects]

## List of Research projects

- 1996-1999: "GLOBIS" - Global change and biodiversity in soil [DGXII – ENVIRONMENT]
- 1999-2000: "TECHNORAMA" - Multimedia technologies in environmental education for issues related to culture, development and tourism [General Secretary of Research & Technology, Greece]
- 1999-2001: "Identification and Description of Habitat Types in Areas of Interest for the Conservation of Nature" [Ministry of the Environment]
- 2000: "National Database of Greek wetlands" [Ministry of the Environment, Greece]
- 2001: "Assessment of the natural environment of Greece [Ministry of the Environment, Greece]
- 2000-2001: "Protected area of Greece of national and international importance" [Ministry of Agriculture, Greece]
- 2001–2003: "Greek Natura 2000 network" [Ministry of the Environment, Greece]
- 2002-2003: "Inventory of the wetlands in Albania, by the MedWet approach" [Ministry of Foreign Affairs, Greece & DAC]
- 2006-2007: "Probability of population extinction in dynamic landscapes" [Ministry of Education, Greece]
- 2008: "Innovative cultivation of macro-algae for pharmaceutical and agricultural use" [Ministry of Agriculture, Greece]
- 2008–2012: "SOILSERVICE" Conflicting demands of land use, soil biodiversity and the sustainable delivery of ecosystem goods and services in Europe [FP7-ENV-2007-1]
- 2014-2015: Interaction of plants and microbes under the effect of essential oils in the Mediterranean environment: in search of new applications [General Secretary of Research & Technology, Greece]
- 2014-2015: Monitoring of Habitat types in the protected areas of Kotychi-Strophylia- Article 17 [Ministry of Environment, Greece]
- From 2024: "SOB4ES" Integrating Soil Biodiversity to Ecosystem Services [EU Horizon]

### **As principal Investigator/coordinator**

- 2018-2019: "MULTIVALEND"- Multifaceted Valorisation of single-country Endemic plants of Crete, Greece, Tunisia and Rif, Morocco for sustainable exploitation in the agro-alimentary, horticultural-ornamental and medicinal-cosmetic sectors
- 2019-2020: Management plan for Natura 2000 sites of the Prefecture of East Macedonia and Thrace [Ministry of Environment, Greece]
- 2019-2020: Database for habitat types and their reference values along the shoreline of the Prefecture of Central Macedonia [Prefecture of Central Macedonia, Greece]
- 2021-2022: Posbemed 2. Governance and Management of Posidonia Beach- Dune Systems Across The Mediterranean
- 2021-2022: Utilization and Dissemination of results in the field of ecology (Sustainable management, restoration and conservation of biodiversity and ecosystem services under climate change)- BIORESERVE
- 2021-2022:: Evaluation of the ecological status of the soil in Vineyards [Pappas – Theofrastos]
- From 2022: Digital Platform of Advisory Support for Establishment and Management of Organic farming (e-Biofarm.advice).

## Publications

### MSc dissertation

**Tsiafouli M.** (1999). "Decomposition processes and biodiversity of microarthropods in a sclerophyllous formation of the mount Chortiatis". School of Biology, Aristotle University of Thessaloniki.

### PhD thesis

**Tsiafouli M.** (2007). "Soil biodiversity in organic and conventional agro-ecosystems" School of Biology, Aristotle University of Thessaloniki.

## Research Articles

1. Wadoux A.M.J.-C., Courteille L., Arrouays D., De Carvalho Gomes L., Cortet J., Creamer R.E., Eberhardt E., Greve M.H., Grüneberg E., Harhoff R., Heuvelink G.B.M., Krahl I., Lagacherie P., Miko L., Mulder V.L., Pásztor L., Pieper S., Richer-de-Forges A.C., Sánchez-Rodríguez A.R., Rossiter D., Steinhoff-Knopp B., Stöckhardt S., Szatmári G., Takács K., **Tsiafouli M.**, Vanwalleghem T., Wellbrock N. & Wetterlind J. (2024). On soil districts, *Geoderma*, 452, 117065. <https://doi.org/10.1016/j.geoderma.2024.117065>.
2. Russell D.J., Naudts E., Soudzilovskaia N.A., Briones M.J.I., Çakır M., Conti E., Cortet J., Fiera C., Kutuzovic D.H., Hedde M., Hohberg K., Indjic D., Krogh P.H., Lehmitz R., Lesch S., Marjanovic Z., Mulder C., Mumladze L., Murvanidze M., Rick S., Roß-Nickoll M., Schlaghamerský J., Schmidt O., Shelef O., Suhadolc M., **Tsiafouli M.**, Winding A., Zaytsev A., Potapov A. (2024). Edaphobase 2.0: Advanced international data warehouse for collating and using soil biodiversity datasets. *Applied Soil Ecology*, 204, art. no. 105710. DOI: 10.1016/j.apsoil.2024.105710
3. Ganault, P., Ristok, C., Phillips, H. R., Hedde, M., Capowiez, Y., Bottinelli, N., Decaëns, T., Marchan, D., Gerard, S., Mathieu, J., Potapov, A., Cameron, E. K., Brown, G., Bartz, M., Zeiss, R., Zi, Y., **Tsiafouli, M.**, Russell, D. J., Guerra, C., & Eisenhauer, N. (2024). Soil BON Earthworm - A global initiative on earthworm distribution, traits, and spatiotemporal diversity patterns. *SOIL ORGANISMS*, 96(1). <https://doi.org/10.25674/362>
4. Potapov, A.M., Chen, TW., Striuchkova, A.V. ....**Tsiafouli, M.**, ..... & Stefan Sheu (2024). Global fine-resolution data on springtail abundance and community structure. *Scientific Data* 11, 22. <https://doi.org/10.1038/s41597-023-02784-x>
5. Potapov A.M., Guerra C.A., van den Hoogen J., .....**Tsiafouli M.A.**, .....& Scheu S. (2023). Globally invariant metabolism but density-diversity mismatch in springtails. *Nature Communications*, 14 (1), art. no. 674, Cited 6 times. DOI: 10.1038/s41467-023-36216-6
6. Krigas, N., Votsi, N.-E., Samartza, I., Katsoulis, G., **Tsiafouli, M.A.** (2023). *Solanum elaeagnifolium* (Solanaceae) Invading One in Five Natura 2000 Protected Areas of Greece and One in Four Habitat Types: What Is Next? *Diversity* 15, 143. <https://doi.org/10.3390/d15020143>.

7. **Tsiafouli, M.A.**, Cortet, J., Russell, D. (2022). A call for collaboration to create the European Atlas of Soil Fauna. *SOIL ORGANISMS* 94, 175–181. <https://doi.org/10.25674/so94iss3id307>
8. Potapov, A. M., Sun, X., Barnes, A. D., Briones, M. J., Brown, G. G., Cameron, E. K., Chang, C.-H., Cortet, J., Eisenhauer, N., Franco, A. L., Fujii, S., Geisen, S., Guerra, C., Gongalsky, K., Haimi, J., Handa, I. T., Janion-Sheepers, C., Karaban, K., Lindo, Z., Mathieu, J., Moreno, M. L., Murvanidze, M., Nielsen, U., Scheu, S., Schmidt, O., Schneider, C., Seeber, J., **Tsiafouli, M.**, Tuma, J., Tiunov, A., Zaytsev, A. S., Ashwood, F., Callaham, M., & Wall, D. (2022). Global monitoring of soil animal communities using a common methodology. *SOIL ORGANISMS* 94, 55–68. <https://doi.org/10.25674/so94iss1id178>
9. Argyropoulou, M.D., Karmezi, M., **Tsiafouli, M.A.**, Chalkos, D., Bountla, A., Vokou, D. (2022). Soil Amendments with Spearmint, Peppermint and Rosemary Enhance the Community of Free-Living Nematodes and Improve Soil Quality, While Having Strikingly Different Effects on Plant Growth. *Life* 12, n 1121. [doi.org/10.3390/life12081121](https://doi.org/10.3390/life12081121)
10. Libiad, M., Khabbach, A., El Haissoufi, M., Anestis, I., Lamchouri, F., Bourgou, S., Megdiche-Ksouri, W., Ghrabi-Gammar, Z., Greveniotis, V., Tsiripidis, I., Dariotis, E., **Tsiafouli, M.A.**, Krigas, N. (2021). Agro-Alimentary Potential of the Neglected and Underutilized Local Endemic Plants of Crete (Greece), Rif-Mediterranean Coast of Morocco and Tunisia: Perspectives and Challenges. *Plants*, 10, 1770. <https://doi.org/10.3390/plants10091770>
11. Müllerová, J., Gago, X., Bučas, M., Company, J., Estrany, J., Fortesa, J., Manfreda, S., Michez, A., Mokroš, M., Paulus, G., Tiškus, E., **Tsiafouli, M.A.**, Kent, R., (2021). Characterizing vegetation complexity with unmanned aerial systems (UAS) – A framework and synthesis. *Ecological Indicators* 131, 108156. [doi.org/10.1016/j.ecolind.2021.108156](https://doi.org/10.1016/j.ecolind.2021.108156)
12. Krigas, N., **Tsiafouli, M.A.**, Katsoulis, G., Votsi, N.-E., van Kleunen, M. (2021). Investigating the Invasion Pattern of the Alien Plant *Solanum elaeagnifolium* Cav. (Silverleaf Nightshade): Environmental and Human-Induced Drivers. *Plants* 10, 805. <https://doi.org/10.3390/plants10040805>
13. Krigas, N., Tsoktouridis, G., Anestis, I., Khabbach, A., Libiad, M., Megdiche-Ksouri, W., Ghrabi-Gammar, Z., Lamchouri, F., Tsiripidis, I., **Tsiafouli, M.A.**, El Haissoufi, M., & Bourgou, S. (2021). Exploring the Potential of Neglected Local Endemic Plants of Three Mediterranean Regions in the Ornamental Sector: Value Chain Feasibility and Readiness Timescale for Their Sustainable Exploitation. *Sustainability* 13(5), 2539; <https://doi.org/10.3390/su13052539>.
14. **Tsiafouli, M.A.**, Dimitriadis, C., Boutsis, G., & Mazaris, A. D. (2020). Nematode community characteristics are associated to loggerhead turtle hatching success. *Ecological Indicators*, 111 [doi:10.1016/j.ecolind.2019.105977](https://doi.org/10.1016/j.ecolind.2019.105977)
15. Ntalli, N., **Tsiafouli, M.A.**, Tzani, K., Mavridi, O., Oplous, C., Menkissoglu-Spiroudi, U., & Monokrousos, N. (2019). Whey: The soil bio-community enhancer that selectively controls root-knot nematodes. *Plants*, 8(11) [doi:10.3390/plants8110445](https://doi.org/10.3390/plants8110445)
16. Wilschut, R. A., Geisen, S., Martens, H., Kostenko, O., de Hollander, M., ten Hooven, F., Weser, C., Snoek, L.B., Bloem, J., Caković, D., Čelik, T., Koorem, K., Krigas, N., Manrubia, M., Ramirez, K.S., **Tsiafouli, M.A.**, Vreš, B. & van der Putten, W. H. (2019). Latitudinal variation in soil nematode communities under climate warming-related range-expanding and native plants. *Global Change Biology*, 25(8), 2714–2726. [doi:10.1111/gcb.14657](https://doi.org/10.1111/gcb.14657)
17. Ramirez, K.S., Snoek, L.B., Koorem, K., Geisen, S., Bloem, L.J., ten Hooven, F., Kostenko, O., Krigas, N., Manrubia, M., Caković, D., van Raaij, D., **Tsiafouli, M.**, Vreš, B., Čelik, T., Weser, C., Wilschut, R. & van der Putten, W.H. (2019). Range-expansion effects on the belowground plant microbiome. *Nature Ecology and Evolution*, 3(4), 604–611.

doi:10.1038/s41559-019-0828-z

18. Heděnc, P., Jílková, V., Lin, Q., Cajthaml, T., Filipová, A., Baldrian, P., Větrovský, T., Křišťůfek, V., Chroňáková, A., Setälä, H., **Tsiafouli, M.A.**, Mortimer, S.R., Kukla, J., & Frouz, J. (2019). Microbial communities in local and transplanted soils along a latitudinal gradient. *Catena*, *173*, 456-464. doi:10.1016/j.catena.2018.10.043
19. **Tsiafouli, M. A.**, Monokrousos, N., & Sgardelis, S. P. (2018). Drought in spring increases microbial carbon loss through respiration in a mediterranean pine forest. *Soil Biology and Biochemistry*, *119*, 59-62. doi:10.1016/j.soilbio.2018.01.010
20. **Tsiafouli, M. A.**, Drakou, E. G., Orgiazzi, A., Hedlund, K., & Ritz, K. (2017). Editorial: Optimizing the delivery of multiple ecosystem goods and services in agricultural systems. *Frontiers in Ecology and Evolution*, *5*(AUG) doi:10.3389/fevo.2017.00097
21. **Tsiafouli, M. A.**, Bhusal, D. R., & Sgardelis, S. P. (2017). Nematode community indices for microhabitat type and large scale landscape properties. *Ecological Indicators*, *73*, 472-479. doi:10.1016/j.ecolind.2016.10.004
22. Nikolaidou, C., Votsi, N. - P., Sgardelis, S. P., Maxwell Halley, J., Pantis, J., & **Tsiafouli, M. A.** (2017). Ecosystem service capacity is higher in areas of multiple designation types. *One Ecosystem*, *2* doi:10.3897/oneeco.2.e13718
23. Dimopoulos, P., Drakou, E. G., Kokkoris, I. P., Katsanevakis, S., Kallimanis, A., **Tsiafouli, M.**, Bormpoudakis, D., Kormas, K., Arends, J. (2017). The need for the implementation of an ecosystem services assessment in Greece: Drafting the national agenda. *One Ecosystem*, *2* doi:10.3897/oneeco.2.e13714
24. **Tsiafouli, M.A.**, Thébault, E., Sgardelis, S.P., de Ruiter, P.C., van der Putten, W.H., Birkhofer, K., Hemerik, L., de Vries, F.T., Bardgett, R.D., Brady, M.V., Bjornlund, L., Jørgensen, H.B., Christensen, S., Hertefeldt, T.D., Hotes, S., Gera Hol, W.H., Frouz, J., Liiri, M., Mortimer, S.R., Setälä, H., Tzanopoulos, J., Uteseny, K., Pižl, V., Stary, J., Wolters, V., & Hedlund, K. (2015). Intensive agriculture reduces soil biodiversity across Europe. *Global Change Biology*, *21*(2), 973-985. doi:10.1111/gcb.12752.
25. Bhusal, D. R., **Tsiafouli, M. A.**, & Sgardelis, S. P. (2015). Temperature-based bioclimatic parameters can predict nematode metabolic footprints. *Oecologia*, *179*(1), 187-199. doi:10.1007/s00442-015-3316-4
26. Setälä, H., Bardgett, R. D., Birkhofer, K., Brady, M., Byrne, L., de Ruiter, P. C., de Vries, F.T., Gardi, C., Hedlund, K., Hemerik, L., Hotes, S., Liiri, M., Mortimer, S. R., Pavao-Zuckerman, M., Pouyat, R., **Tsiafouli, M.** & van der Putten, W. H. (2014). Urban and agricultural soils: Conflicts and trade-offs in the optimization of ecosystem services. *Urban Ecosystems*, *17*(1), 239-253. doi:10.1007/s11252-013-0311-6
27. Bhusal, D. R., Kallimanis, A. S., **Tsiafouli, M. A.**, & Sgardelis, S. P. (2014). Higher taxa vs. functional guilds vs. trophic groups as indicators of soil nematode diversity and community structure. *Ecological Indicators*, *41*, 25-29. doi:10.1016/j.ecolind.2014.01.019
28. **Tsiafouli, M. A.**, Apostolopoulou, E., Mazaris, A. D., Kallimanis, A. S., Drakou, E. G., & Pantis, J. D. (2013). Human activities in natura 2000 sites: A highly diversified conservation network. *Environmental Management*, *51*(5), 1025-1033. doi:10.1007/s00267-013-0036-6
29. De Vries, F.T., Thébault, E., Liiri, M., Birkhofer, K., **Tsiafouli, M.A.**, Bjørnlund, L., Jørgensen, H.B., Brady, M.V., Christensen, S., De Ruiter, P.C., D'Hertefeldt, T., Frouz, J., Hedlund, K., Hemerik, L., Gera Hol, W.H., Hotes, S., Mortimer, S.R., Setälä, H., Sgardelis, S.P., Uteseny, K., Van Der Putten, W.H., Wolters, V., & Bardgett R.D. (2013). Soil food web properties explain ecosystem services across european land use systems. *Proceedings of the National Academy of Sciences of the United States of America*, *110*(35), 14296-14301. doi:10.1073/pnas.1305198110

30. Argyropoulos, C., **Tsiafouli, M. A.**, Sgardelis, S. P., & Pantis, J. D. (2013). Organic farming without organic products. *Land use Policy*, 32, 324-328. doi:10.1016/j.landusepol.2012.11.008
31. Stamou, G. P., Argyropoulou, M. D., **Tsiafouli, M. A.**, Monokrousos, N., Sgardelis, S. P., & Papatheodorou, E. M. (2011). The study of secondary successional patterns in soil using network analysis: The case of conversion from conventional to organic farming. *Pedobiologia*, 54(4), 253-259. doi:10.1016/j.pedobi.2011.03.006
32. Monokrousos, N., Bobori, D., **Tsiafouli, M.**, Boutsis, G., Chalkos, D., Vlachodimos, K., Blake, K., Pyrovetsi, M., Papatheodorou, E., Sgardelis, S., Symeonidis, L., & Diamantopoulos, I. (2009). Evaluation of biological soil properties as indicators of flying ash deposition from lignite power plants in the florina - kozani basin. *Fresenius Environmental Bulletin*, 18(7 B), 1289-1294.
33. Kallimanis, A. S., **Tsiafouli, M. A.**, Pantis, J. D., Mazaris, A. D., Matsinos, Y., & Sgardelis, S. P. (2008). Arable land and habitat diversity in Natura 2000 sites in greece. *Journal of Biological Research*, 9, 55-66.
34. **Tsiafouli, M. A.**, Argyropoulou, M. D., Stamou, G. P., & Sgardelis, S. P. (2007). Is duration of organic management reflected on nematode communities of cultivated soils? *Belgian Journal of Zoology*, 137(2), 165-175.
35. **Tsiafouli, M. A.**, Argyropoulou, M. D., Stamou, G. P., & Sgardelis, S. P. (2006). Soil nematode biodiversity in organic and conventional agroecosystems of northern greece. *Russian Journal of Nematology*, 14(2), 159-169.
36. **Tsiafouli, M. A.**, Kallimanis, A. S., Katana, E., Stamou, G. P., & Sgardelis, S. P. (2005). Responses of soil microarthropods to experimental short-term manipulations of soil moisture. *Applied Soil Ecology*, 29(1), 17-26. doi:10.1016/j.apsoil.2004.10.002
37. Zalidis, G. C., **Tsiafouli, M. A.**, Takavakoglou, V., Bilas, G., & Misopolinos, N. (2004). Selecting agri-environmental indicators to facilitate monitoring and assessment of EU agri-environmental measures effectiveness. *Journal of Environmental Management*, 70(4), 315-321. doi:10.1016/j.jenvman.2003.12.006
38. Wilkinson, S. C., Anderson, J. M., Scardelis, S. P., **Tsiafouli, M.**, Taylor, A., & Wolters, V. (2002). PLFA profiles of microbial communities in decomposing conifer litters subject to moisture stress. *Soil Biology and Biochemistry*, 34(2), 189-200. doi:10.1016/S0038-0717(01)00168-7
39. Stamou, G. P., Karris, G., **Tsiafouli, M. A.**, Papatheodorou, E. M., & Argyropoulou, M. D. (2000). The effect of acclimation to constant temperatures, pollution of food by heavy metals and short-term fasting on the metabolic activity of *glomeris balcanica* (diplopoda: Glomeridae). *Web Ecology*, 1, 11-19. doi:10.5194/we-1-11-2000
40. Drosopoulou, K., **Tsiafouli, M.**, Mavragani-Tsipidou, P., & Scouras, Z. G. (1997). The glutamate dehydrogenase, E74 and putative actin gene loci in the *drosophila montium* subgroup. *Chromosoma*, 106(1), 20-28. doi:10.1007/s004120050220

## Books and book chapters

- FAO, ITPS, GSBI, SCBD and EC. 2020. State of knowledge of soil biodiversity -Status, challenges and potentialities, Report 2020. **Contributing author** to Chapter 2 (Global diversity & distribution of soil biodiversity) and Chapter 4. (Threats to soil biodiversity -global



and regional trends). Rome, FAO. <https://doi.org/10.4060/cb1928en>.

- **Tsiafouli, M.A.**, Drakou, E.G., Orgiazzi, A., Hedlund, K., & Ritz, K. (2017). Optimizing the Delivery of Multiple Ecosystem Goods and Services in Agricultural Systems. *Frontiers in Ecology & Evolution and Frontiers in Environmental Science and Frontiers in Plant Science*. ISSN 1664-8714, ISBN 978-2-88945-296-5 doi:
- **Tsiafouli M.** (2012). Erosion-Desertification. In: Managing natural resources for the prevention of natural disasters. (in Greek). Balkan Environmental Institute-Institute of Public Administration – GeoPromotion.
- Dimopoulos P., E. Bergmeier, E. Eleftheriadou, K. Theodoropoulos, A. Gerasimidis & **M. Tsiafouli** (2012). Identification and Interpretation Guide for the Forest Habitats of Greece. (in Greek). Katagramma publishing. ISBN: 978-618-80037-0-5
- Dimopoulos P., E. Bergmeier, K. Theodoropoulos, P. Fisher & **M. Tsiafouli** (2005). Monitoring guide for habitat types and plant species in the Natura 2000 sites of Greece with Management Institutions. (in Greek). University of Ioannina and Hellenic Ministry for the Environment, Physical Planning & Public Works. Agrinio, Greece. ISBN: 960-233-168-2
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